

Appl. No. 09/465,415
Amdt. dated May 16, 2006
Reply to Office action of January 11, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). A method of processing MPEG transport stream data comprising the steps of:

- (a) copying said MPEG transport stream data, in an MPEG format and without conversion to another format, into to a DIF data block formatted for digital video; and
- (b) storing said DIF data block, that includes said MPEG formatted data not converted to another format, on a storage medium in a digital video storage format.

2 (original). The method of claim 1 wherein said storage medium comprises a digital video tape.

3 (original). The method of claim 1 further comprising the step of copying said data block to a payload portion of an isochronous data transfer packet

4 (original). The method of claim 1 further comprising the step of repeating said copying of said data to another said data block.

5 (currently amended). A method of storing MPEG transport stream data on a digital video recorder comprising the steps of:

- (a) copying said MPEG transport stream data, in an MPEG format and without conversion to another format, into to a video DIF data block of a digital video frame not including the first byte of said video data block; and
- (b) storing said digital video frame, that includes said MPEG formatted data not converted to another format, on a storage medium.

6 (original). The method claim 5 wherein said storage medium comprises a digital video tape.

7 (original). The method of claim 5 further comprising the step of copying said digital video frame into an isochronous data transfer packet.

8 (original). The method of claim 5 further comprising the step of repeating said copying of said transport stream data to another said video data block.

9 (original). The method of claim 8 wherein said another video data block is a data element of another said digital video frame.

10 (currently amended). A method of storing MPEG transport stream data with a digital video recorder comprising the steps of:

- (a) copying said MPEG transport stream data, in an MPEG format and without conversion to another format, into to a DIF data block of a digital video frame not including the first byte of said data block;
- (b) copying said digital video frame to an isochronous data packet;
- (c) extracting said digital video frame from said isochronous data packet; and
- (d) storing said digital video frame, that includes said MPEG formatted data not converted to another format, in a digital storage medium.

11 (original). The method of claim 10 further comprising the step of repeating said copying of said transport stream data to another data block.

12 (original). The method of claim 11 wherein said another video data block is a data element of another said digital video frame.

13 (currently amended). A method of storing MPEG transport stream data on a digital video recorder comprising the steps of:

- (a) copying said transport stream data, in an MPEG format and without conversion to another format, into an isochronous data transfer packet;
- (b) extracting said transport stream data, in an MPEG format and without conversion to another format, from said isochronous data transfer packet;
- (c) copying said transport stream data, in an MPEG format and without conversion to another format, into to a DIF data block of a digital video frame not including the first byte of said DIF data block; and
- (d) storing said digital video frame, that includes said MPEG formatted data not converted to another format.

14 (original). The method of claim 13 further comprising the step of repeating said copying of said transport stream data to another data block.

15 (previously presented). The method of claim 14 wherein said another DIF data block is a data element of another said digital video frame.

16 (currently amended). A method of storing MPEG transport stream data with a digital video recorder comprising the steps of:

- (a) accumulating a quantity of said MPEG transport stream data equal to a digital video frame data quantity;
- (b) copying said quantity of said MPEG transport stream data, in an MPEG format and without conversion to another format, into to a DIF data block of a digital video frame;
- (c) repeating said copying of said quantity of said MPEG transport stream data, in an MPEG format and without conversion to another format, into to another said DIF data block as another said quantity of MPEG transport stream data is accumulated;
- (d) copying at least one said digital video frame including said DIF data block to a data transfer packet;

(e) extracting said at least one digital video frame from said data transfer packet;
and

(f) storing said at least one digital video frame, that includes said MPEG
formatted data not converted to another format.

17 (currently amended). A method of storing MPEG transport stream data with a digital video recorder comprising the steps of:

(a) copying said MPEG transport stream data to a data transfer packet;
(b) extracting said MPEG transport stream data from said data transfer packet;
(c) accumulating a quantity of said MPEG transport stream data equal to a digital video frame data quantity;

(d) copying said quantity of said MPEG transport stream data, in an MPEG
format and without conversion to another format, into to a DIF data block of a digital video frame;

(e) repeating said copying of said quantity of said MPEG transport stream data, in an MPEG format and without conversion to another format, into to another said DIF data block as another said quantity of MPEG transport stream data is accumulated; and

(f) storing said digital video frame, that includes said MPEG formatted data not converted to another format.

18 (currently amended). An apparatus for storing data with a digital video recorder comprising:

(a) an accumulation buffer to accumulate a predetermined quantity of said MPEG
formatted data; and

(b) a frame packetizer to copy said MPEG data, in an MPEG format and without
conversion to another format, into to a DIF data block of a digital video frame not including the first byte of said data block.

19 (original). The apparatus of claim 18 further comprising:

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- (a) a transfer packet encoder to copy said digital video frame to a data transfer packet not including the first byte of said data block; and
- (b) a depacketizer to extract said digital video frame from said data transfer packet for storage.

20-23 (cancelled)